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References:

- [1] K.J. ARROW, E. W. BARANKIN, D. BLACKWELL (1953): "Admissible Points of Convex Sets", en: H. W. KUHN, A. W. TUCKER, Eds., Contribution to the Theory of Games, Vol. II, Princeton University Press, pp. 87–91. · [Zbl 0050.14203](#)
- [2] M.S. BAZARAA, C.M. SHETTY (1976): Foundations of Optimization, Springer-Verlag. · [Zbl 0334.90049](#)
- [3] K. BERGSTRESSER, A. CHARNES, P.L. YU (1976): "Generalization of Domination Structures and Nondominated Solutions in Multicriteria Decision Making", J. Optimization Theory Appl., Vol. 18, No. 1, pp 3–13. · [Zbl 0298.90003](#) · [doi:10.1007/BF00933790](#)
- [4] A.M. GEOFFRION (1968): "Proper Efficiency and the Theory of Vector Maximization", J. Math. Anal. Appl., Vol. 22, pp. 618–630. · [Zbl 0181.22806](#) · [doi:10.1016/0022-247X\(68\)90201-1](#)
- [5] R. HARTLEY (1978): "On Cone-Efficiency, Cone-Convexity and Cone-Compactness", SIAM J. Appl. Math., Vol. 34, No. 2, pp. 211–222. · [Zbl 0379.90005](#) · [doi:10.1137/0134018](#)
- [6] H. ISERMANN (1974): "Proper Efficiency and the Linear Vector Maximum Problem", Operations Res., Vol. 22, No. 1, pp. 189–191. · [Zbl 0274.90024](#) · [doi:10.1287/opre.22.1.189](#)
- [7] A. W. KUHN, A. W. TUCKER (1951): "Nonlinear Programming", en: J. NEYMAN, Ed., Proceedings of the Second Berkeley Symposium on Mathematical Statistics and Probability, University of California Press, pp. 481–492. · [Zbl 0044.05903](#)
- [8] J. G. LIN (1976): "Three Methods for Determining Pareto-Optimal Solutions of Multiple-Objective Problems", en: Y. C. HO, S. K. MITTER, Eds., Directions in large-Scale Systems, Many-Person Optimization and Decentralized Control Plenum, pp. 117–138.
- [9] R. MELENDRERAS (1977): "Propiedades Singulares de la Teoría de la Dominación", Seminario Internacional de Programación Matemática, Madrid, 24–25 Noviembre.
- [10] R. T. ROCKAFELLAR (1970): Convex Analysis, Princeton University Press. · [Zbl 0193.18401](#)
- [11] P. L. YU (1973): "Introduction to Domination Structures in Multicriteria Decision Problems", en: J. L. COCHRANE, M. ZELENY, Eds., Multiple Criteria Decision Making, University of South Carolina Press, pp. 249–261.
- [12] P. L. YU (1974): "Cone Convexity, Cone Extreme Points, and Nondominated Solutions in Decision Problems with Multiobjectives", J. Optimization Theory Appl., Vol. 14, No. 3, pp 319–377. · [Zbl 0268.90057](#) · [doi:10.1007/BF00932614](#)
- [13] P. L. YU, M. ZELENY (1975): "The Set of All Nondominated Solutions in Linear Cases and a Multicriteria Simplex Method", J. Math. Anal. Appl., Vol. 49, No. 2, pp. 430–468. · [Zbl 0313.65047](#) · [doi:10.1016/0022-247X\(75\)90189-4](#)

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